

RESERVE COPY PATENT SPECIFICATION

625,076



Application Date: Jan. 4, 1947. No. 350/47.

Complete Specification Accepted: June 21, 1949.

Index at Acceptance:—Class 132(iii), S6c1b.

COMPLETE SPECIFICATION

Improvements relating to Children's Building Bricks or Blocks

I, WILLIE TAYLOR, a British Subject, of 568, Halifax Road, Buttershaw, Bradford, in the County of York, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The invention has for its object to devise improvements in children's building bricks or blocks of the kind adapted to be stacked one upon another or side-by-side.

It has previously been proposed to provide toy building blocks having peg and recess snap connections on the upper and lower surfaces of each block and in addition thereto a slidably engageable dovetail connection provided on adjacent faces of neighbouring blocks other than those which have the snap connections; to form building blocks made of resilient material having in their bottom surface a recess for the insertion of a projection on an upper surface, said recess and projection possessing such a cross-section that on the interengagement of the blocks resilient and firm clamping is effected; to provide blocks with interlocking recesses and projections of truncated pyramidal form, and to also provide blocks with a cylindrical hole and a projection.

According to the present invention children's building bricks or blocks have provided on one or more faces a centrally situated domed, convex or substantially conical protuberance, and an opposing surface or surfaces is or are provided with a correspondingly shaped centrally situated depression or concavity. The protuberance of one block is adapted to loosely house or nest within the opposing depression or concavity of another brick of substantially identical construction. If desired, one or more faces of the bricks may be provided with a portion or the hole of a picture, diagram, numeral or the like, and said bricks may be of any suitable shape with at least two opposing parallelly arranged faces.

In order that the invention may be clearly understood and readily carried into effect the same will now be described with reference

to and by the aid of the accompanying 50 drawings in which:—

Figure 1 is an elevation of a child's building brick or block constructed according to the invention, and Figure 2 is a plan thereof.

Figure 3 is an elevation, partly in section, 55 of a plurality of bricks of the kind illustrated in Figures 1 and 2, showing the method of erecting or building to produce a picture.

Figure 4 is a similar view to Figure 1 of a modified form of brick bearing upon 60 one face thereof an alphabetical letter.

Figure 5 is a plan and Figure 6 is an elevation of a further modification or embodiment of the invention.

Similar reference letters refer to similar 65 parts throughout the several views.

Referring more particularly to Figures 1 to 3 of the drawings, A is a brick or block composed of wood, synthetic material or the like, of substantially cubic form. Upon 70 one side or surface thereof is provided or secured a centrally situated domed or circular convex protuberance B, and upon an opposing side or surface of said brick is formed a centrally situated depression 75 or circular concavity C corresponding in size with the protuberance B.

In the embodiment of the invention illustrated in Figure 4 of the drawing, the brick or block A is provided with two sets 80 of protuberances B and two opposing sets of correspondingly shaped depressions C.

Referring to Figures 5 and 6 of the drawing, the brick A is shown of octagonal shape, having plane or parallelly arranged ends 85 one of which has formed thereon a centrally situated conical projection B, whilst the opposing face or end has a similarly shaped recess or depression C formed therein.

When it is desired to erect the improved 90 bricks by superposing one brick upon another a brick A is placed upon the floor or upon a table or the like with the protuberance B in an upward position. A further block or brick is then superposed upon the first 95 brick with the concavity C of the second brick engaging the protuberance B of the first brick. This method is pursued until an

[Price 2/-]

erection of desired height is attained, the protuberances and depressions ensuring that the centre of gravity of the structure is maintained, perpendicular irrespective of the relative positions of the faces of the various bricks, thus enabling children to build to considerable heights without fear of the structure collapsing,

Portions or the whole of pictures, letters, diagrams or the like may be printed or incorporated in the design of the bricks for educational purposes, or the bricks may be coloured in any suitable manner to impart a striking or ornamental appearance thereto. Furthermore, the bricks may be constructed of any suitable shape to form corners, overlapping courses or the like, and sills, mullions, half blocks and other shaped members may be incorporated in a set of bricks or blocks for constructional purposes.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

1. Children's building bricks or blocks, wherein one or more faces of said bricks is provided with a centrally situated circular domed, convex or substantially conical protuberance, and an opposing face or

faces has provided therein a correspondingly shaped centrally situated circular depression or concavity.

2. Building bricks or blocks according to the preceding Claim, wherein the protuberance or protuberances of one brick is or are adapted to loosely house or nest within an opposing depression or concavities within another brick of substantially identical shape.

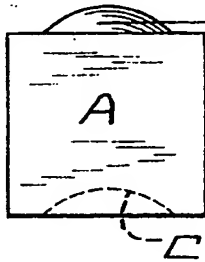
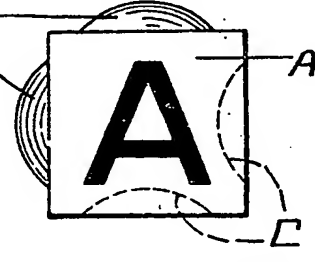
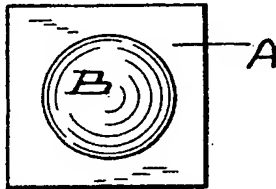
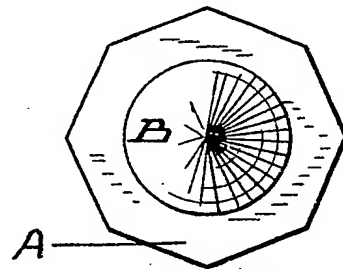
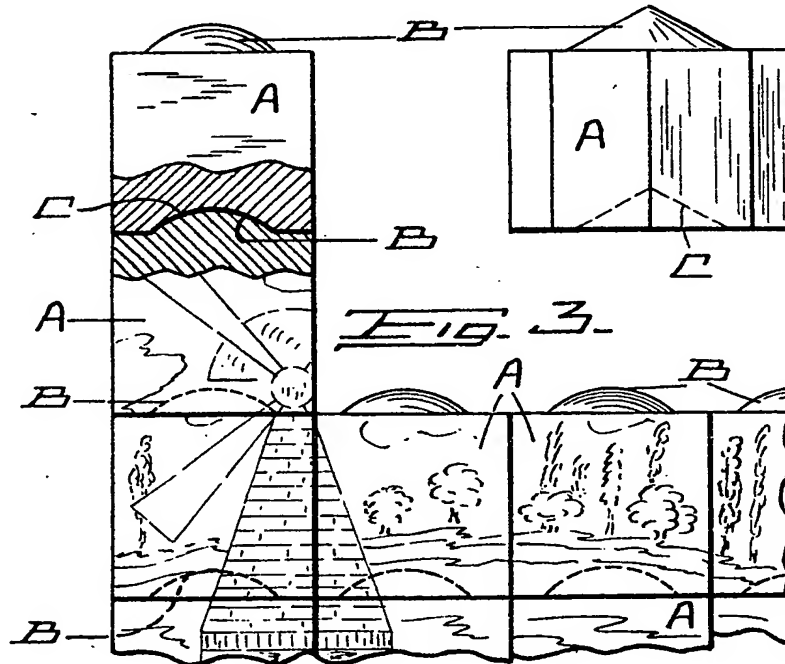
3. Building bricks or blocks according to either of the preceding Claims, wherein one or more faces of the bricks is or are provided with a portion or the whole of a picture, diagram, letter, numeral or the like.

4. Building bricks or blocks according to any of the preceding Claims, wherein said bricks are of any suitable shape with at least two opposing parallelly arranged faces.

5. Children's building bricks or blocks, constructed, arranged and adapted for assembly as herein set forth with reference to the accompanying drawings.

Dated this 2nd day of January, 1947.

JOHN E. WALSH & CO.,
Hind's Chambers, 18, Crossley Street, Halifax,
and at Leeds & Bradford.
Chartered Patent Agents.

FIG. 1.FIG. 4.FIG. 2.FIG. 5.FIG. 6.FIG. 3.

[This Drawing is a reproduction of the Original on a reduced scale.]

THIS PAGE BLANK (USPTO)